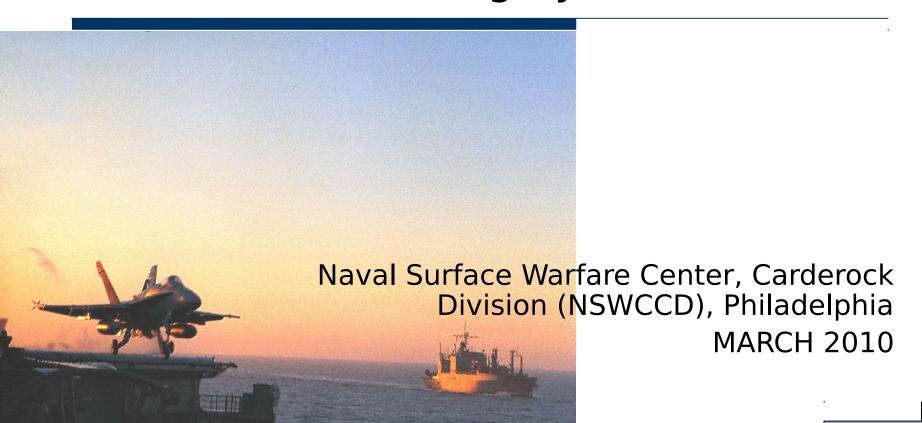


PHIMS & IUID: Adding IUID Compliance to an Existing System



NEXT



Project: PHIMS IUID Implementation

Challenge: Add IUID Capability to PHIMS (Project History Inventory Management System) used by NSWCCD kitting and staging facilities at Philadelphia, Norfolk, and San Diego.

Scope: Provide the ability for these facilities to use IUID marks to manage material, to mark legacy items, and to register items.

Result: These facilities function as central locations for "opportunistic marking" of IUID-eligible equipment that passes through before it is distributed to the fleet.



NSWCCD Philadelphia

- Receives and stages material for both DON and Joint Service programs
- Material is assembled and shipped to alteration installation teams around the world
- PHIMS is the in-house Automated Inventory System used by the facilities to manage material:
 - Web-based warehouse management system
 - Ties together material and personnel across the three staging facilities
 - Material is tracked from entry to exit and at all points within the facilities
 - Intermec CK-61 handheld computers with integrated barcode scanners that scan both linear barcodes and 2D data matrix marks
 - Wireless technology ensures speed, accuracy and flexibility

As a major staging facility, NSWCCD needed the ability to mark and process IUID-marked items



Implementing IUID

IUID capability was added to PHIMS in 2008 over a period of 6 months using existing Automatic Identification Technology (AIT) equipment and Quick Compliance Tool Suite (QCTS) Tools. The following capabilities were added to PHIMS:

- □Ability to identify items by IUID mark and track items using UII
- ☐Marking capability: items can be marked using either pre-printed or facility-generated labels
- □Items locally marked are processed for registration via the QCTS registration process

QCTS Tools are modular and can be easily incorporated into many material and inventory management systems.

They are Navy-owned and available at www.qcts.org.



Tracking Items With the UII

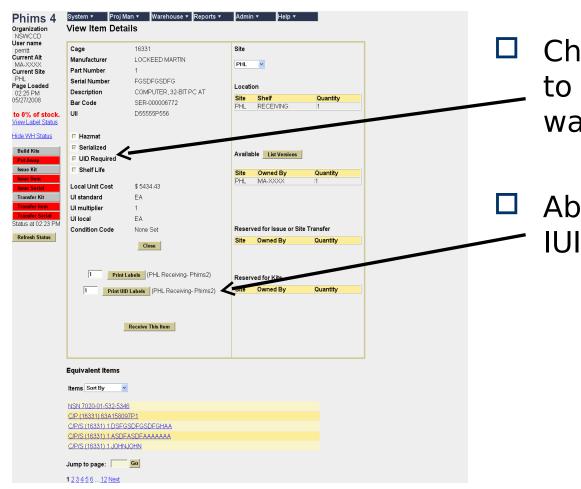


□ IUID mark is scanned; item is tracked in database by UII





Marking Capability

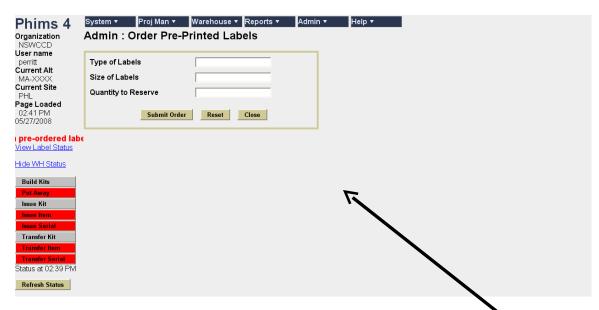


- Check box flags item to be marked by warehouse personnel
- Ability to generate IUID labels in-house



Marking Capability (cont'd)

PHIMS can use pre-printed labels; when marking, pre-printed label is scanned to associate with item



- PHIMS electronically generates label orders
- System tracks serial numbers and ensures no duplicates are ordered.





Registration Capability

- PHIMS generates output files of marked items for registration
- Non Registered UIDs report generates listing of items that are marked as UID Required but not registered



Report can be in HTML or Excel format





PHIMS and IUID

Result:

- □ PHIMS now fully IUID capable
 - Receive items already IUID marked
 - Track items in PHIMS by UII
 - IUID mark previously unmarked legacy items
 - Perform IUID Registry lookup
 - 24/7 status reporting

Conclusion:

- QCTS tools were initially developed and tested on PHIMS
 - QCTS Tools are being successfully used in a working environment

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